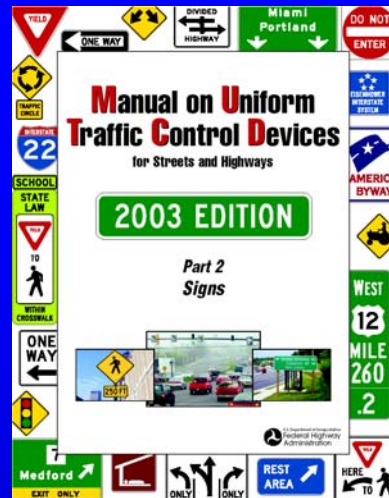


# ***2003 MUTCD***

## **PART 2**

### **Signs**



***Traffic Engineering Conference***

***September 2004***



***North Carolina***

***Department of Transportation***



# Overview

- **Changes w/ Compliance dates**
- **revisions**

# Design of Signs

**More than  
4 Characters  
should not be used**



# Design of Signs



**FOR EMERGENCIES  
DIAL 911 OR \*HP (\*47)**

# Design of Signs





# **Design of Signs**

**When intended for viewing only by:**

- pedestrians**
- bicyclists**
- parked vehicles**
- drivers on low-speed roadways where engineering judgment indicates drivers can reasonably safely stop out of traffic flow to read the message**

# **Retroreflectivity and Illumination**

- **Retroreflective strip on sign post (OPTION for regulatory and warning signs)**



# New Regulatory Signs

YOUR  
SPEED



R14-3



R3-18



R10-11



# New Regulatory Signs



**For Midblock  
X-Walk**

**10 yr phase-in**



**In-Street  
Ped Signs**

# New Regulatory Signs



Replaced  
by new  
**WARNING**  
sign



# **Legislation**

§ 136-33.2. Signs marking beginning and ending of speed zones.

Whenever speed zones are established by any agency of the State having authority to establish such speed zones, there shall be erected or posted a sign of adequate size at the beginning point of such speed zone designating the zone and the speed limit to be observed therein, and there shall be erected or posted at the end of such speed zone an adequate sign indicating the end of such speed zone which sign shall also indicate such different speed limit as may then be observed.



# Legislation, continued

At least 600 feet in advance of the beginning of any speed zone established by any agency of the State authorized to establish the same, there shall be erected a sign of adequate size which shall bear the legend "**Reduce Speed Ahead.**" (1955, c. 647.)



# **Other Compliance Periods for Regulatory Signs**

- Increased sign sizes of some Regulatory Signs (see Table 2B-1) - 10 yrs
- Other than a DO NOT ENTER sign, no signs should be mounted on back of STOP signs - 10 yrs



# **Other Compliance Periods for Regulatory Signs**

- Other than a DO NOT ENTER sign, no signs should be mounted on back of YIELD signs - 10 yrs

# New Warning Signs



W3-5

15 yr  
phase-in



W3-5a

15 yr  
phase-in



W4-2

10 yr  
phase-in



W1-13

10 yr  
phase-in

# New Warning Signs



W1-11



W1-15



W7-6



W2-6



W16-12p

10 yr  
phase-in



# **Other Compliance Periods for Warning Signs**

- Increased sign sizes of W10-1 advanced grade crossing sign - 10 yrs
- Elimination of W5-2a narrow bridge symbol signs - 10 yrs

# Guide Signing

a - Freeway or Expressway – Airport Terminals



b - Conventional Road or Street – Urban Areas



**Optional  
Color  
Coding of  
Multiple  
Destinations**

# Street Name Signs



**Overhead Mounted**  
**Min. 12" Legend Size**



**Corner-mounted**  
**Min. 8" Legend Size**  
**for multilane streets**  
**w/ speed limit**  
**> 40 mph**

- **Compliance period of 15 years**

# Advance Street Name Signs



New Section in  
MUTCD

# Optional Advisory Speed with Exit Gore Sign



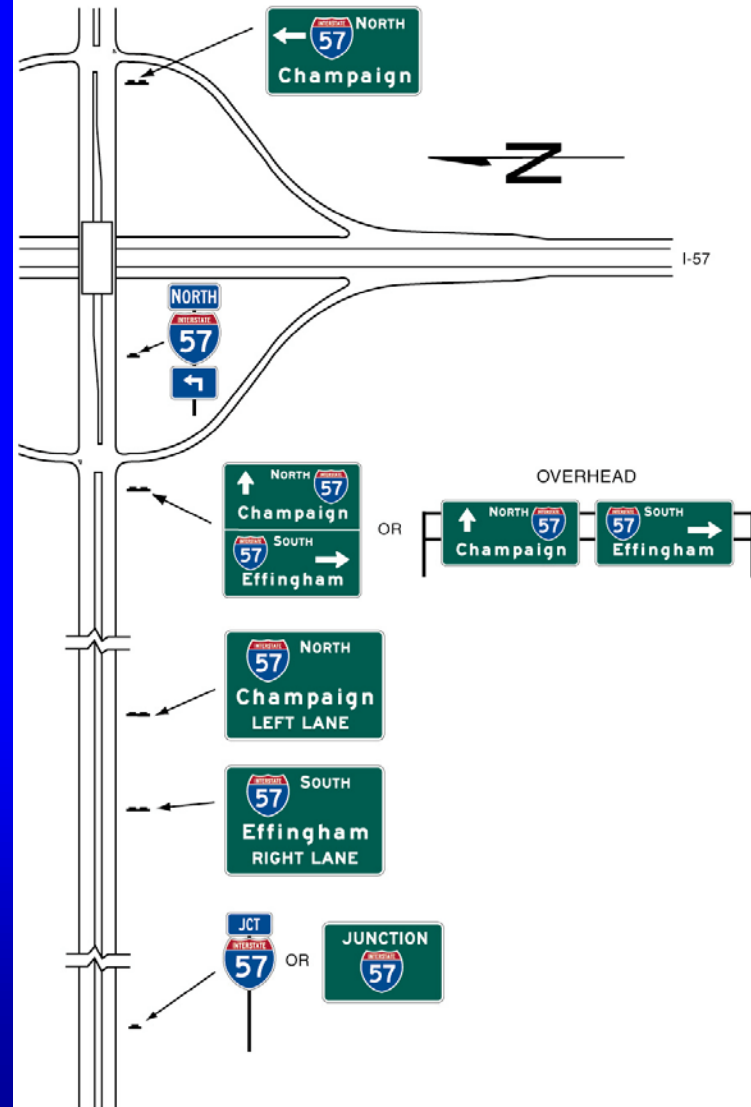
NCDOT

North Carolina

# Signing of Approaches and Connecting Roadways

- Advance information on what lane to be in to enter freeway

Figure 2E-36. Examples of Multi-lane Crossroad Signing for Diamond Interchange



# Guide Signing

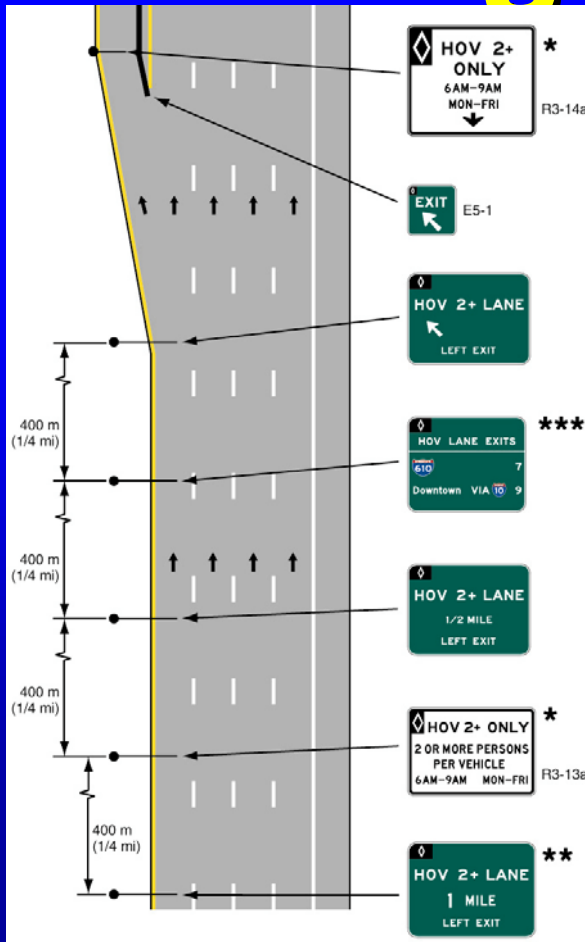
**Enhanced  
Reference  
Location Signs  
(Mileposts)**



**NCDOT**

*North Carolina*

# High Occupancy Vehicle Lane Signing





# Evacuation Route Signing



EM-1

**HURRICANE is an example of one type of evacuation route. Legends for other types may also be used, or this line of text may be omitted**



# **Proposed Revisions**

- **Pharmacy signs (eff. July 21, 2004)**
- **Retroreflectivity (comment period ends October 28, 2004)**

# QUESTIONS?

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